

Notice of Allowability	Application No.	Applicant(s)	
	09/242,383	MYERS, NICHOLAS SIMON	
	Examiner	Art Unit	
	Ted T. Vo	2122	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/23/04.
2. ☒ The allowed claim(s) is/are 75-106 (renumbered as 1-32).
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☒ to Paper No./Mail Date 4.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

1. The Amendment After Final filed on 6/24/04 has been fully considered. The arguments given in Remarks section (pages 7-9) to the Claims 75-106 are persuasive, and overcome the rejection under the closest arts of record, Henricson et al., "Programming in C++ Rules and Recommendations", in view of Cowlshaw, "The REXX Language A practical Approach to Programming" and Michel, "Getting Started with Object REXX". The rejection that made final to Claims 75-106, mailed date 4/20/04, is withdrawn.

Reasons for Allowance

2. Claims 75-106 are allowed.

Prior art of record, Henricson et al., discloses classes in string class are used by other defined classes such as "Class buffer" for handing strings in a buffer;

Prior art of record Cowlshaw discloses REXX language using a set of built-in functions for manipulating strings; and

Prior art of record Michel develops, Object Oriented REXX developed from REXX language.

As pointed out by Applicants that Henricson's teaching is to define one style of programming in C++, and does not teach all objects of the string class that are handled in each recited step (a), (b) and (c) of independent Claims 75, 85 and 96 (re: Remarks: page 8, second paragraph), and as pointed out by Applicants that Cowlshaw and Michel merely teach programming REXX used as a command interpreter to tailor already existed operating systems (re: Remarks: page 8, third paragraph).

Therefore, the following is an examiner's statement of reasons for allowance:

The cited prior arts taken alone or in combination fail to teach the claims to a computing device, a method, and computer software that is programmed to manipulate or access objects of the string class used in an object oriented system, comprising at least features:

"(a) objects of the string class for literal text are handled as belonging to a class in which a pointer points to the memory location where the text string is store;

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(b) objects of the string class for length limited text are handled as belonging to a class in which a buffer stores text of a predetermined length requiring a limited subset of available memory management functions;

(c) objects of the string class using heap memory are handled as belonging to a class requiring the full set of available memory management functions", as recited in such manners in independent Claims 75, 85, and 96.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (703) 308-9049. The examiner can normally be reached on 8:00AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q Dam can be reached on (703) 305-4552. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTV
Patent Examiner
Art Unit: 2122
July 29, 2004


WEI Y. ZHEN
PRIMARY EXAMINER

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